

## ABSTRACT

A radio base station is disclosed for efficiently utilizing resources by once holding a call not in a diversity hand-over state in a data buffer in a radio communications system having a diversity hand-over function. A shared resource unit has a processing device, as a shared resource, for processing the signal of each call. A buffer unit sends a received signal to the processing device of the shared resource unit, when the received signal is a signal of a call in a diversity hand-over state, such that it can be transmitted at a predetermined timing. On the other hand, when the received signal is a signal of a call which is not in diversity hand-over state, the buffer unit holds the received signal in a data buffer, and subsequently sends the received signal to the processing device at a timing at which the processing device becomes available.